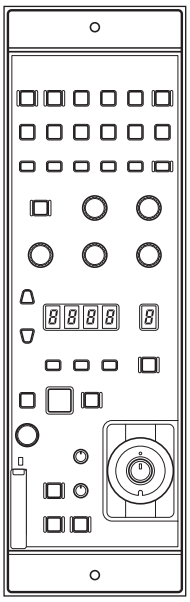
Panasonic

Operating Instructions
<Operations and Settings>

Remote Operation Panel

Model No. **AK-HRP200G**



- How the operating instructions are organized
  - Basics:
    This manual describes how to connect the unit to the required equipment and set it up.
    Before installing the unit, be sure to read the <Basics> manual to ensure that you know how to install it correctly.
  - Operations and Settings (this manual)
    Operations and Settings describe how to operate and set up the unit.

Before operating this product, please read the instructions carefully and save this manual for future use.

ENGLISH

M1012KT0 -PS
VQT4S52A (E)

■ About trademarks and registered trademarks

- SDHC logo is a trademark of SD-3C, LLC.
- Other company names and product names appearing in this manual are the registered trademarks or trademarks of their respective companies.

■ Copyrights

It is prohibited to transfer, copy, disassemble, decompile, and reverse engineer the software included with the unit, as well as export it in violation of the export laws.

■ Abbreviations

The following abbreviations are used in this manual.

- SD memory cards and SDHC memory cards are both referred to as “memory cards”. They are referred to individually in descriptions in which each of them is discussed separately.
- Personal computers are referred to as "computers."
- Studio handy camera is referred to as “camera”.
- Camera control unit is referred to as "CCU".
- Remote operation panel is referred to as “ROP”.

■ Illustrations and screen images in this manual

- Illustrations of the unit and screens may appear different from the actual unit and screens.

Contents

Introduction **3**

Setup mode **4**

Setup mode 4

Setup Mode Operations **7**

1. Set camera number 7
2. Save scene file to/load scene file from memory card 7
3 Saving user files to/loading user files from memory card 8
4 Save lens file to/load lens file from memory card 9
5 Save ROP configuration file to/load ROP configuration file from memory card 9
6 Format memory card 10
7 Select/set flare and pedestal 10
8. Set buzzer (beep/call tone) 11
9 Display brightness setting (LED/7-segment display) 11
16 Initialize settings 11
17 Confirm version 12
18 Save unit data to memory card 12
19 Software upgrade 12
Error messages in setup mode 13

ROP menu operations **14**

ROP menus that can be operated on the unit 14
Operating ROP menus 14

ROP menu setting **16**

SHADING(WHITE) 16
PEDESTAL/FLARE/GAIN 16
GAMMA/BLACK GAMMA 17
CINEMA GAMMA 17
KNEE/WHITE CLIP 18
MATRIX (1/2) 18
MATRIX (2/2) 19
HD DTL/SKIN DTL (1/2) 19
HD DTL/SKIN DTL (2/2) 20
SD DETAIL 20
SYSTEM (1/2) 21
SYSTEM (2/2) 22
FUNCTION 22
LENS FILE/EDIT (1/2) 23
LENS FILE/EDIT (2/2) 23

Index **24**

■ Overview

This unit is a remote operation panel for controlling a studio handy camera (AK-HC3800) and a camera controller unit like the AK-HCU200.
Use a dedicated optical fiber cable to connect a studio handy camera to a camera controller unit and use a dedicated ROP cable (optional accessory) to connect this unit to the camera controller unit.

■ Memory Cards

Memory cards used with the unit should conform to SD or SDHC standards.
Be sure to use the unit to format memory cards.
Memory cards with the following capacity can be used with the unit.
SDXC memory cards are not supported.

SD memory cards: 8 MB to 2 GB
SDHC memory cards: 4 GB to 32 GB

For the latest information not described in the Operating Instructions, refer to the following website.

http://pro-av.panasonic.net/

Observe the following points when using and storing this unit.
- Avoid high temperature and humidity.
- Avoid water droplets.
- Avoid static electricity.

■ Upgrade software

You can obtain upgrade software from Service and Support on the following website.

http://pro-av.panasonic.net/

For the upgrade procedure, refer to the instructions included with the download file.

■ Software for peripheral equipment

Software upgrades will also become necessary for the peripheral equipment that is connected to this unit (cameras or CCUs).
For details, consult your supplier.

■ Disclaimer of warranty

IN NO EVENT SHALL Panasonic Corporation BE LIABLE TO ANY PARTY OR ANY PERSON, EXCEPT FOR REPLACEMENT OR REASONABLE MAINTENANCE OF THE PRODUCT, FOR THE CASES, INCLUDING BUT NOT LIMITED TO BELOW:

(1) ANY DAMAGE AND LOSS, INCLUDING WITHOUT LIMITATION, DIRECT OR INDIRECT, SPECIAL, CONSEQUENTIAL OR EXEMPLARY, ARISING OUT OF OR RELATING TO THE PRODUCT;
(2) PERSONAL INJURY OR ANY DAMAGE CAUSED BY INAPPROPRIATE USE OR NEGLIGENT OPERATION OF THE USER;
(3) UNAUTHORIZED DISASSEMBLE, REPAIR OR MODIFICATION OF THE PRODUCT BY THE USER;
(4) INCONVENIENCE OR ANY LOSS ARISING WHEN IMAGES ARE NOT DISPLAYED, DUE TO ANY REASON OR CAUSE INCLUDING ANY FAILURE OR PROBLEM OF THE PRODUCT;
(5) ANY PROBLEM, CONSEQUENTIAL INCONVENIENCE, OR LOSS OR DAMAGE, ARISING OUT OF THE SYSTEM COMBINED BY THE DEVICES OF THIRD PARTY;
(6) LOSS OF REGISTERED DATA CAUSED BY ANY FAILURE;

■ File types handled by the unit

Scene file	Scene files are mainly used by video engineers (VE) to create the required image characteristics.
Reference file	The term reference file is a generic term for user files and factory files.
User file	A user file is system setting data (reference file) composed of scene files and operation data. The user can record user files.
Factory file	A file that contains camera settings that were stored at the factory.
Lens file	Data for correcting specific lens characteristics that are used by video engineers (VE).
ROP configuration file	ROP specific setting data.

Setup mode

Setup mode

Setup mode allows the user to make a variety of unit settings, and save and load scene files and user files.
Normal operation is unavailable during setup mode operation. ROP menu (REMOTE OPERATION MENU) operation is not available either.

■ Setup mode functions

Setup mode allows you to do any of the following.

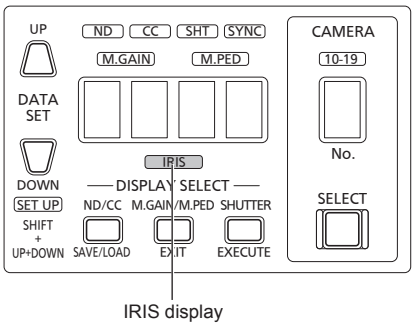
Item	Adjustable range	Display
1	Set camera number	Sets a camera number.
2	Save scene file to/load scene file from memory card	Saves the currently used scene file to a memory card. It also allows you to load a scene file stored on a memory card.
3	Save user file to/load user file from memory card	Saves the currently used user file to a memory card. It also allows you to load a user file stored on a memory card.
4	Save lens file to/load lens file from memory card	Saves the currently used lens file to a memory card. It also allows you to load a lens file stored on a memory card.
5	Save ROP configuration file to/load ROP configuration file from memory card	Save a configuration file for the unit to a memory card. It also allows you to load a configuration file for the unit stored on a memory card.
6	Format memory card	Formats a memory card
7	Select/set flare and pedestal	Selects the flare and pedestal control function
8	Set buzzer (beep/call tone)	Enables or disables the buzzer or call tone.
9	Set display brightness (LED/7-segment display)	Sets the brightness of the panel LED and 7-segment display.
10	For future use.	
11		
12		
13		
14		
15		
16	Initialize settings	Initializes unit settings.
17	Confirm version	Displays the version of the software used by the unit.
18	Save unit data to memory card	Saves unit data to a memory card.
19	Upgrade software	Upgrades the software used by the unit.

■ Opening setup mode

Setup mode differs from normal operating modes. Use the steps below to open setup mode.

1. When a camera and CCU are connected, select IRIS (to light the <IRIS> display on the panel).

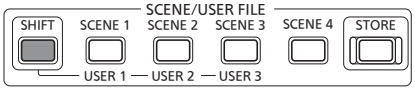
If the IRIS display is not lit, press the selected <DISPLAY SELECT> button to select IRIS.

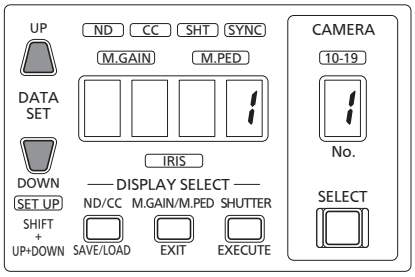


Use the steps below to open setup mode when the power is on, but a camera or CCU is not connected.

2. Simultaneously hold down DATA SET <DATA SET> <UP>, <DOWN> and <SHIFT> for approximately two seconds.

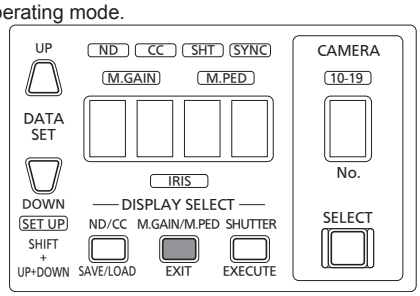
This opens setup mode and Menu No. 1 (camera number setting) is displayed.





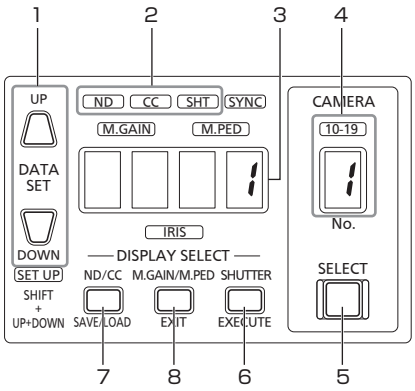
■ Exiting setup mode

To exit setup mode, hold down <EXIT> for two seconds. The unit returns to normal operating mode.



■ Basic operations

The buttons indicated in the figure below are available in setup mode. No other buttons are available. All other LEDs stay off. (Except the alarm display)



1. Selects set values

2. Indicates selected submenu

3. Indicates set values and selected values

4. Indicates menu numbers

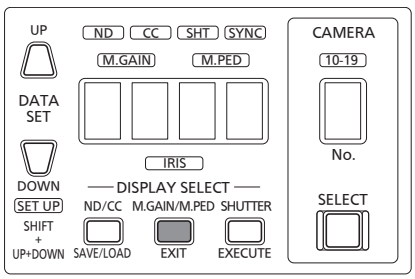
5. Selects a menu number. Each press of the button increments menu numbers.

1→2→3→...→19→1→2→...

6. Confirms a setting

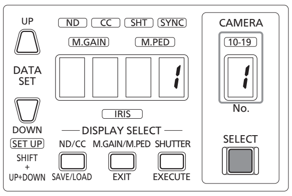
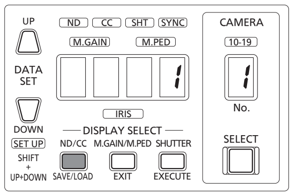
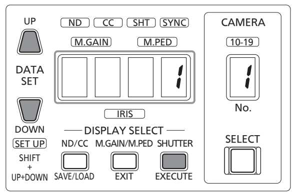
7. Selects a submenu. Each press of the button opens a different submenu.

8. To exit setup mode, hold down <EXIT> for two seconds. The unit returns to normal operating mode.



■ Setup mode menu configuration

Setup mode is comprised of the menus and submenus listed in the table below.

Menu		Submenu		Set value/Selected operation	Default value
					
Press <SELECT>to select a menu number.		Press <SAVE/LOAD> to select a submenu.		Use <UP> or <DOWN> to select a set value or an operation. Use <EXECUTE> to confirm an entry.	
No.	**Menu item**	**Light indication**	**Settings and operations**	**7-segment display (display and selection)**	
1	Set camera number*[1]	-	-	Camera number (1 to 19)	1
2	Save scene file to/load scene file from memory card	ND	Save to memory card	Scene files (1 to 4)	1
		CC	Load from memory card	Scene files (1 to 4)	1
3	Save user file to/load user file from memory card	ND	Save to memory card	User files (1 to 3)	1
		CC	Load from memory card	User files (1 to 3)	1
4	Save lens file to/load lens file from memory card	ND	Save to memory card	Lens files (1 to 32)	1
		CC	Load from memory card	Lens files (1 to 32)	1
5	Save ROP configuration file to/ load ROP configuration file from memory card	ND	Save to memory card	-	-
		CC	Load from memory card	-	-
6	Format memory card*[1]	-	-	-	-
7	Select/set flare and pedestal*[1]	-	-	FLARE/PED (FL/PE)	FL
8	Set buzzer (beep/Call)*[1]	-	-	Enable/disable buzzer (on/off)	on
9	Set display brightness (LED/7-segment display)	ND	LED	3 levels (bright/intermediate/low)	Bright
		CC	7-segment display	3 levels (bright/intermediate/low)	Bright
10	For future use.				
11					
12					
13					
14					
15					
16	Initialize settings	-	-	-	-
17	Confirm version	ND	Display version No (first digits)	Displays the first 3 digits	-
		CC	Version No (middle digits)	Displays the middle 2 digits	-
		SHT	Version No (last digits)	Displays the last 3 digits	-
18	Save unit data to memory card	-	-	-	-
19	Upgrade software	-	-	-	-

*1 These functions are controlled by Save ROP configuration file to/load ROP configuration file from memory card
These functions are initialized when you perform settings initialization.

■ Files stored on a memory card

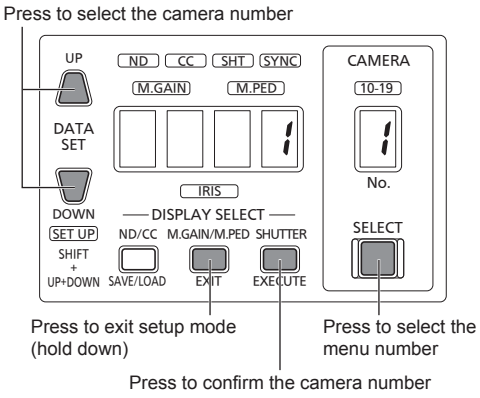
In setup mode, the following files are saved to or loaded from a memory card by the unit. The fixed file names assigned by the unit must not be changed on a computer. If the file names are changed, they can no longer be processed by the unit.

Files stored on a memory card	Filename
Scene file	SCENE1.BIN to SCENE4.BIN
User file	USER1.BIN to USER3.BIN
Lens file	LENS01.BIN to LENS32.BIN
ROP configuration file	ROP_OPE.BIN
Unit data file	ROP_INFO.BIN

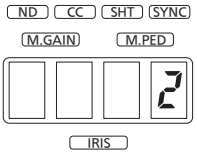
<Note>
Menu numbers 10 to 15 are for future use.

1. Set camera number

1. Open setup mode and check that menu number [1] is displayed. If a menu number other than [1] appears, press <SELECT> to select menu number [1].



2. Press <UP> or <DOWN> to select a camera number and press <EXECUTE> to confirm the selection.



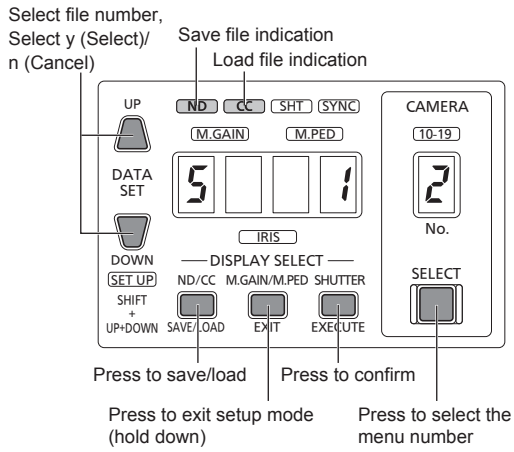
To select camera number 2

- Camera numbers become available after exiting setup mode.
- To exit setup mode, hold down <EXIT> for about 2 seconds.
- To make other settings, press <SELECT> to select a menu number.

2. Save scene file to/load scene file from memory card

Current operating status data is saved as a scene file to the memory card.

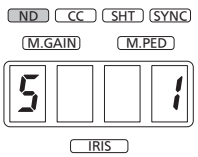
Press <SELECT>to select menu number [2].



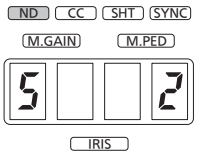
2-1 Save scene file to memory card

1. Press <SAVE/LOAD> to select [ND].

- Each press of <SAVE/LOAD> toggles between [ND] (Save) and [CC] (load).



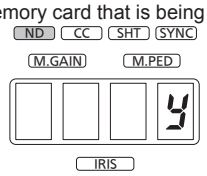
2. Press <UP> or <DOWN> to select a file number on the memory card and press <EXECUTE> to confirm the selection.



To save a file to file no. 2 on the memory card

3. Press <UP> or <DOWN> to select [y] and press <EXECUTE> to confirm the selection.

- Do not remove a memory card that is being accessed.



- To cancel saving, select [n] and press <EXECUTE>.
- The file is saved to the memory card and [Fin] appears when saving ends.
- [E02] is displayed if the save operation to the memory card fails. (→page 13)
  If this happens, check the memory card and try again or insert another memory card to perform the operation again.
- [E01] is displayed when a scene file with the same name as the one you are attempting to save already exists on the memory card. To overwrite the file, press <UP> or <DOWN> to select [y] and press <EXECUTE>.(→page 13)

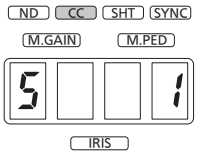
- To exit setup mode, hold down <EXIT> for about 2 seconds.
- To make other settings, press <SELECT> to select a menu number.

2-2 Load scene file from memory card

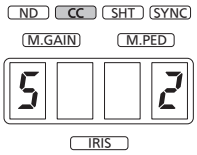
Scene file data loaded from the memory card is returned to the operating status. (It is not returned to scene files 1 to 4. To return the data to scene files 1 to 4, exit setup mode and store the data in one of scene files 1 to 4. For details, refer to <Basics>, the instruction manual.)

1. Press <SAVE/LOAD> to select [CC].

- Each press of <SAVE/LOAD> toggles between [ND] (Save) and [CC] (load).



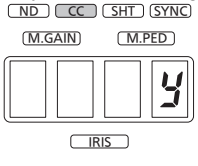
2. Press <UP> or <DOWN> to select a file number on the memory card and press <EXECUTE> to confirm the selection.



To load file no. 2 from the memory card

3. Press <UP> or <DOWN> to select [y] and press <EXECUTE> to confirm the selection.

- Do not remove a memory card that is being accessed.

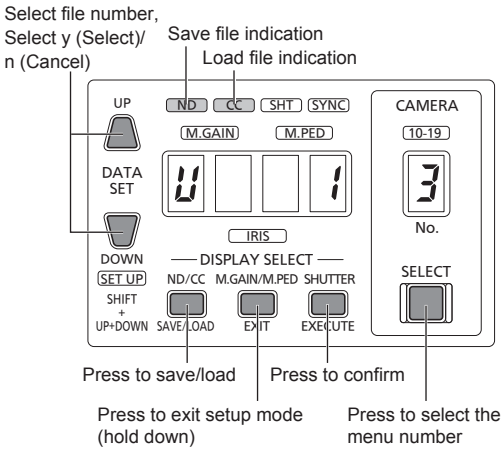


- To cancel loading, select [n] and press <EXECUTE>.
- The file is loaded from the memory card and [Fin] appears when loading ends.
- [E02] is displayed if the load operation from the memory card fails. (→page 13)
  If this happens, check the memory card and see whether the file exists on the memory card. If it does, start over from step 1.

- To exit setup mode, hold down <EXIT> for about 2 seconds.
- To make other settings, press <SELECT> to select a menu number.

3 Saving user files to/loading user files from memory card

Press <SELECT>to select menu number [3].

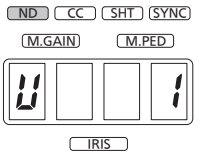


3-1 Save user file to memory card

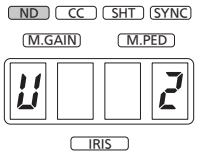
Current operating status data is saved as a user file to the memory card.

1. Press <SAVE/LOAD> to select [ND].

- Each press of <SAVE/LOAD> toggles between [ND] (Save) and [CC] (load).



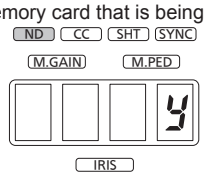
2. Press <UP> or <DOWN> to select a file number on the memory card and press <EXECUTE> to confirm the selection.



To save a file to file no. 2 on the memory card

3. Press <UP> or <DOWN> to select [y] and press <EXECUTE> to confirm the selection.

- Do not remove a memory card that is being accessed.



- To cancel saving, select [n] and press <EXECUTE>.
- The file is saved to the memory card and [Fin] appears when saving ends.
- [E02] is displayed if the save operation to the memory card fails. (→page 13)
  If this happens, check the memory card and try again or insert another memory card to perform the operation again.
- [E01] is displayed when a user file with the same name as the one you are attempting to save already exists on the memory card. To overwrite the file, press <UP> or <DOWN> to select [y] and press <EXECUTE>.(→page 13)

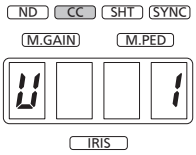
- To exit setup mode, hold down <EXIT> for about 2 seconds.
- To make other settings, press <SELECT> to select a menu number.

3-2 Load user file from memory card

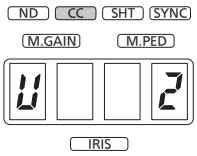
User file data loaded from the memory card is returned to the operating status. (It is not returned to user files 1 to 3. To return the data to user files 1 to 3, exit setup mode and store the data in one of user files 1 to 3. For details, refer to <Operations>, the instruction manual.)

1. Press <SAVE/LOAD> to select [CC].

- Each press of <SAVE/LOAD> toggles between [ND] (Save) and [CC] (load).



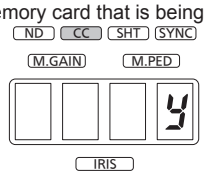
2. Press <UP> or <DOWN> to select a file number on the memory card and press <EXECUTE> to confirm the selection.



To load file no. 2 from the memory card

3. Press <UP> or <DOWN> to select [y] and press <EXECUTE> to confirm the selection.

- Do not remove a memory card that is being accessed.

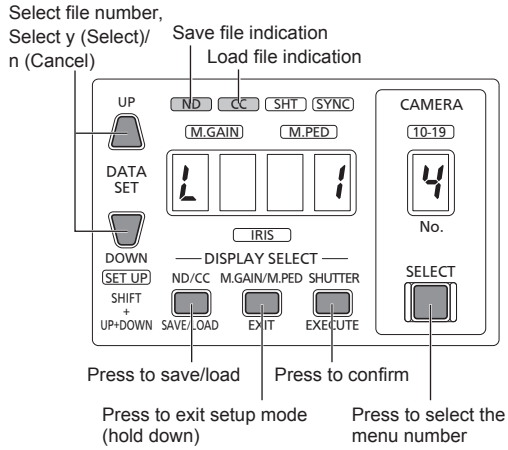


- To cancel loading, select [n] and press <EXECUTE>.
- The file is loaded from the memory card and [Fin] appears when loading ends.
- [E02] is displayed if the load operation from the memory card fails. (→page 13)
  If this happens, check the memory card and see whether the file exists on the memory card. If it does, start over from step 1.

- To exit setup mode, hold down <EXIT> for about 2 seconds.
- To make other settings, press <SELECT> to select a menu number.

4 Save lens file to/load lens file from memory card

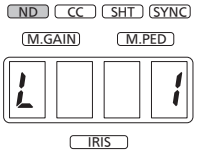
Press <SELECT>to select menu number [4].



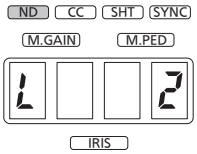
4-1 Save lens file to memory card

1. Press <SAVE/LOAD> to select [ND].

- Each press of <SAVE/LOAD> toggles between [ND] (Save) and [CC] (load).



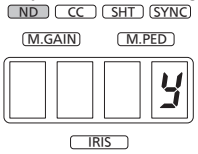
2. Press <UP> or <DOWN> to select a file number on the memory card and press <EXECUTE> to confirm the selection.



To save a file to file no. 2 on the memory card

3. Press <UP> or <DOWN> to select [y] and press <EXECUTE> to confirm the selection.

- Do not remove a memory card that is being accessed.



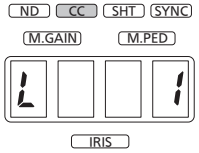
- To cancel saving, select [n] and press <EXECUTE>.
- The file is saved to the memory card and [Fin] appears when saving ends.
- [E02] is displayed if the save operation to the memory card fails. (→page 13)
  If this happens, check the memory card and try again or insert another memory card to perform the operation again.
- [E01] is displayed when a lens file with the same name as the one you are attempting to save already exists on the memory card. To overwrite the file, press <UP> or <DOWN> to select [y] and press <EXECUTE>.(→page 13)
- [E04] is displayed when the lens file is off.

- To exit setup mode, hold down <EXIT> for about 2 seconds.
- To make other settings, press <SELECT> to select a menu number.

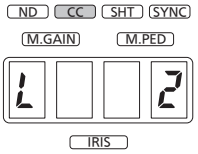
4-2 Load lens file from memory card

1. Press <SAVE/LOAD> to select [CC].

- Each press of <SAVE/LOAD> toggles it between [ND] (Save) and [CC] (Load).



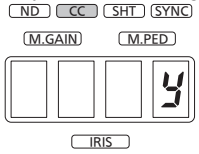
2. Press <UP> or <DOWN> to select a file number on the memory card and press <EXECUTE> to confirm the selection.



To load file no. 2 from the memory card

3. Press <UP> or <DOWN> to select [y] and press <EXECUTE> to confirm the selection.

- Do not remove a memory card that is being accessed.

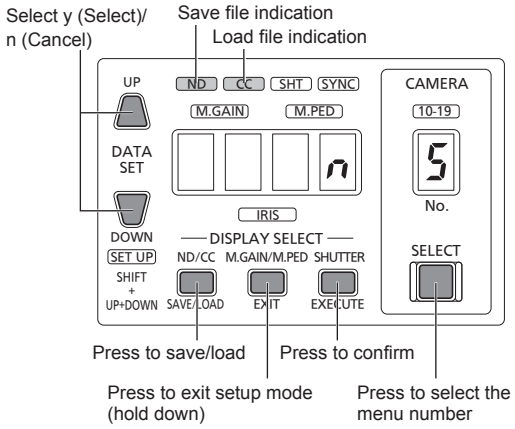


- To cancel loading, select [n] and press <EXECUTE>.
- The file is loaded from the memory card and [Fin] appears when loading ends.
- [E02] is displayed if the load operation from the memory card fails. (→page 13)
  If this happens, check the memory card and see whether the file exists on the memory card. If it does, start over from step 1.
- [E04] is displayed when the lens file is off.

- To exit setup mode, hold down <EXIT> for about 2 seconds.
- To make other settings, press <SELECT> to select a menu number.

5 Save ROP configuration file to/load ROP configuration file from memory card

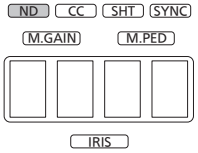
Press <SELECT>to select menu number [5].



5-1 Save ROP configuration file to memory card

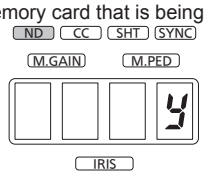
1. Press <SAVE/LOAD> to select [ND].

- Each press of <SAVE/LOAD> toggles between [ND] (Save) and [CC] (load).



2. Press <UP> or <DOWN> to select [y] and press <EXECUTE> to confirm the selection.

- Do not remove a memory card that is being accessed.



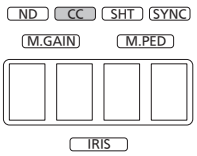
- To cancel saving, select [n] and press <EXECUTE>.
- The file is saved to the memory card and [Fin] appears when saving ends.
- [E02] is displayed if the save operation to the memory card fails. (→page 13)
  If this happens, check the memory card and try again or insert another memory card to perform the operation again.
- [E01] is displayed when an ROP configuration file with the same name as the one you are attempting to save already exists on the memory card.
  To overwrite the file, press <UP> or <DOWN> to select [y] and press <EXECUTE>.(→page 13)
- For details on Save/Load data, refer to page 6.

- To exit setup mode, hold down <EXIT> for about 2 seconds.
- To make other settings, press <SELECT> to select a menu number.

5-2 Load ROP configuration file from memory card

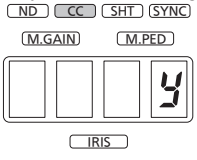
1. Press <SAVE/LOAD> to select [CC].

- Each press of <SAVE/LOAD> toggles between [ND] (Save) and [CC] (load).



2. Press <UP> or <DOWN> to select [y] and press <EXECUTE> to confirm the selection.

- The file is loaded from the memory card and [Fin] appears when loading ends. A few seconds later, the unit is restarted.
- Do not remove a memory card that is being accessed.

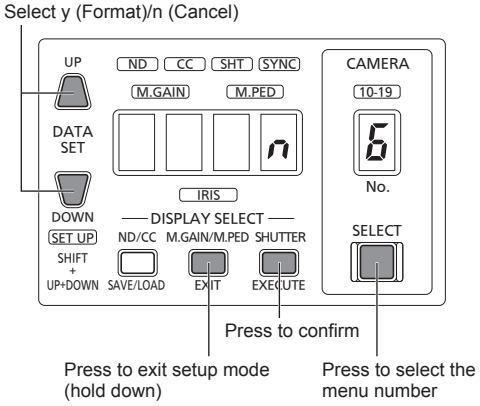


- To cancel loading, select [n] and press <EXECUTE>.
- [E02] is displayed if the load operation from the memory card fails. (→page 13)
  If this happens, check the memory card and see whether the file exists on the memory card. If it does, start over from step 1.

- To exit setup mode, hold down <EXIT> for about 2 seconds.

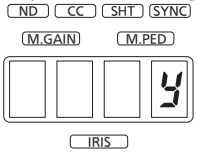
6 Format memory card

1. Press <SELECT>to select menu number [6].



2. Press <UP> or <DOWN> to select [y] and press <EXECUTE> to confirm the selection.

- Card formatting starts.
- Do not remove a memory card that is being accessed.

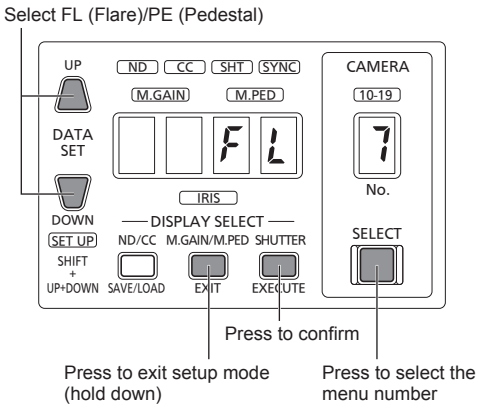


- To cancel formatting, select [n] and press <EXECUTE>.
- When the formatting ends, [Fin] appears.

- To exit setup mode, hold down <EXIT> for about 2 seconds.
- To make other settings, press <SELECT> to select a menu number.

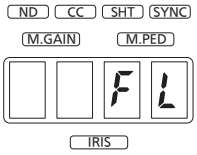
7 Select/set flare and pedestal

Press <SELECT>to select menu number [7].



7-1 Set flare

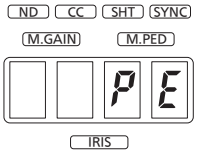
Press <UP> or <DOWN> to select [FL] and press <EXECUTE> to confirm the selection.



- To exit setup mode, hold down <EXIT> for about 2 seconds.
- To make other settings, press <SELECT> to select a menu number.

7-2 Set pedestal

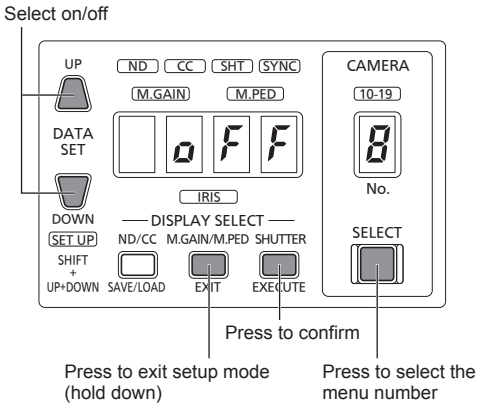
Press <UP> or <DOWN> to select [PE] and press <EXECUTE> to confirm the selection.



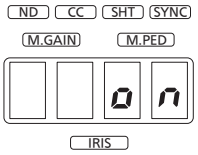
- To exit setup mode, hold down <EXIT> for about 2 seconds.
- To make other settings, press <SELECT> to select a menu number.

8. Set buzzer (beep/call tone)

1. Press <SELECT>to select menu number [8].



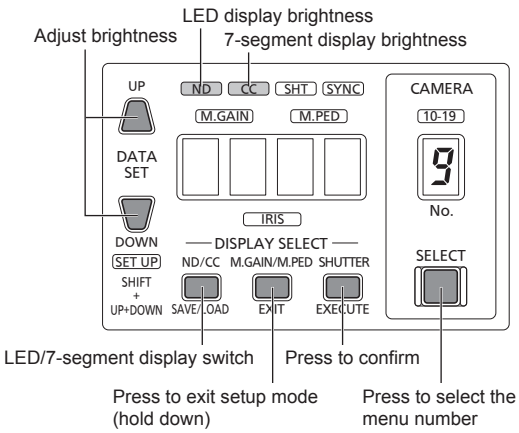
2. Press <UP> or <DOWN> to select [on] and press <EXECUTE> to confirm the selection.



- To exit setup mode, hold down <EXIT> for about 2 seconds.
- To make other settings, press <SELECT> to select a menu number.

9 Display brightness setting (LED/7-segment display)

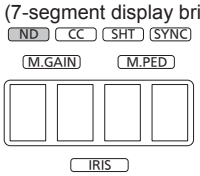
Press <SELECT>to select menu number [9].



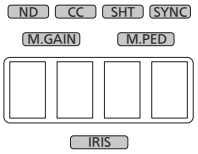
9-1 Set LED brightness

1. Press <SAVE/LOAD> to select [ND] and press <EXECUTE> to confirm the selection.

- Each press of <SAVE/LOAD> toggles between [ND] (LED display brightness) and [CC] (7-segment display brightness).



2. Press <UP> or <DOWN> to select LED display brightness and press <EXECUTE> to confirm the selection.

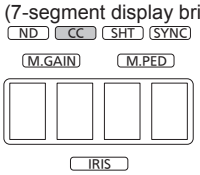


- To exit setup mode, hold down <EXIT> for about 2 seconds.
- To make other settings, press <SELECT> to select a menu number.

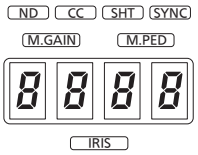
9-2 Set 7-segment display brightness

1. Press <SAVE/LOAD> to select [CC] and press <EXECUTE> to confirm the selection.

- Each press of <SAVE/LOAD> toggles between [ND] (LED display brightness) and [CC] (7-segment display brightness).



2. Press <UP> or <DOWN> to select 7-segment display brightness and press <EXECUTE> to confirm the selection.



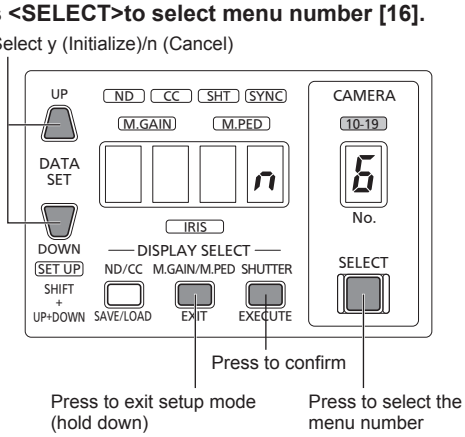
- To exit setup mode, hold down <EXIT> for about 2 seconds.
- To make other settings, press <SELECT> to select a menu number.

Menu numbers 10 to 15 are for future use.

16 Initialize settings

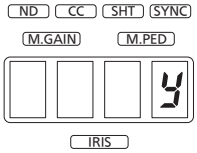
<Note>
When settings are initialized, the unit is automatically restarted.For details on what settings are initialized, refer to page 6

1. Press <SELECT>to select menu number [16].



2. Press <UP> or <DOWN> to select [y] and press <EXECUTE> to confirm the selection.

- After confirmation, unit settings are initialized and it is automatically restarted.

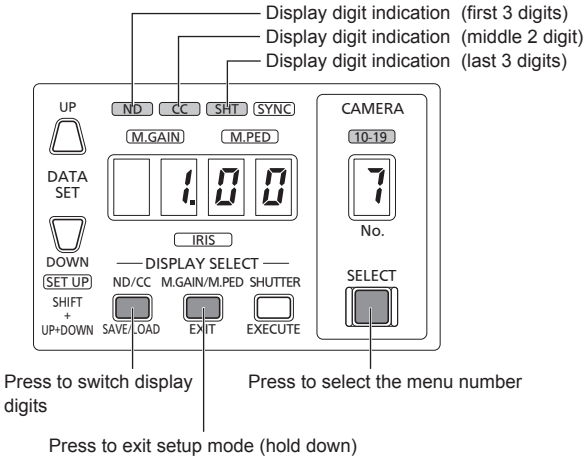


- To cancel initializing, select [n] and press <EXECUTE>.

17 Confirm version

Press <SELECT>to select menu number [17].

- The version information is displayed.
- Press <SAVE/LOAD> to show the 8-digit version number split up in 3, 2 and 3 digits.

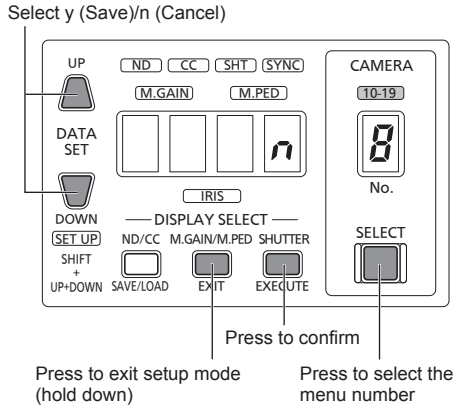


- To exit setup mode, hold down <EXIT> for about 2 seconds.
- To make other settings, press <SELECT> to select a menu number.

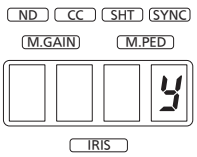
18 Save unit data to memory card

This functions are used by the manufacturer during maintenance.

1. Press <SELECT>to select menu number [18].



2. Press <UP> or <DOWN> to select [y] and press <EXECUTE> to confirm the selection.



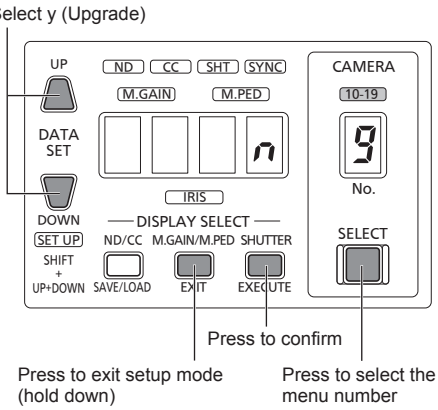
- The file is saved to the memory card and [Fin] appears when saving ends.
- [E02] is displayed if the save operation to the memory card fails. (→page 13)
  If this happens, check the memory card and try again or insert another memory card to perform the operation again.
- [E01] is displayed when a unit data file with the same name as the one you are attempting to save already exists on the memory card. To overwrite the file, press <UP> or <DOWN> to select [y] and press <EXECUTE>. (→page 13)

- To exit setup mode, hold down <EXIT> for about 2 seconds.
- To make other settings, press <SELECT> to select a menu number.

19 Software upgrade

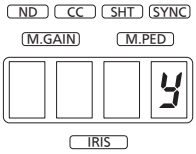
For details on software upgrades, refer to "Software upgrades"(→page 3).

1. Press <SELECT>to select menu number [19].



2. Press <UP> or <DOWN> to select [y] and press <EXECUTE> to confirm the selection.

- Upgrading starts.



- When the upgrade ends, [Fin] appears.

<Note>

If the upgrade fails for some reason, <SHIFT> may start to flash after the restart. If this happens, perform the upgrade process again.

Error messages in setup mode

Error No.	Error data
E01	A file with the same name already exists. Select [y] to overwrite.
E02	An error occurred on the memory card. • Check if a file with the same name already exists. • Check if the memory card is write protected. • Check if there is any free space left on the P2 card.
E03	A memory card has not been inserted.
E04	• A communication error occurred. Check the connected equipment. • The lens file is off.
E05	An error occurred. Start over from the beginning.

■ When a file with the same name exists on the memory card

[E01] is displayed when a file with the same name as the one you are attempting to save already exists on the memory card.
To overwrite the file, press <UP> or <DOWN> to select [y] and press <EXECUTE>.

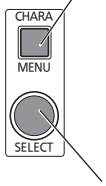
■ When E02 to E05 are displayed

Press <EXECUTE> to close the error message. Then perform the operation again.

ROP menus that can be operated on the unit

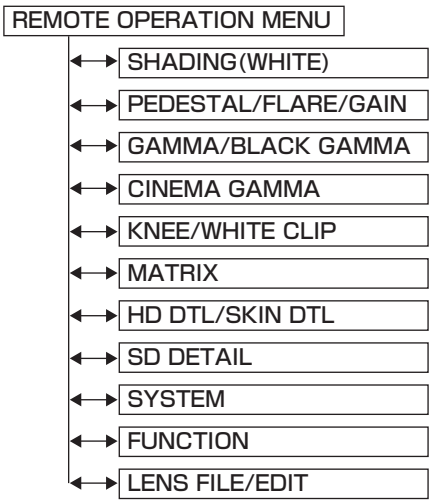
The unit can access the picture monitor on a CCU to control the ROP menu (REMOTE OPERATION MENU).

■ Opening menus and menu configuration



Hold down <CHARA/MENU> for about 2 seconds to open [REMOTE OPERATION MENU]. To close [REMOTE OPERATION MENU], hold down <CHARA/MENU> for about 2 seconds.

Use <SELECT> to select the menu.



Menus cannot be displayed when any of the following messages appear on the picture monitor.

- WARNING message
- AUTO message
- STATUS message

If any of these messages appear, you can hold down <CHARA/MENU> to delete them and resume operation.

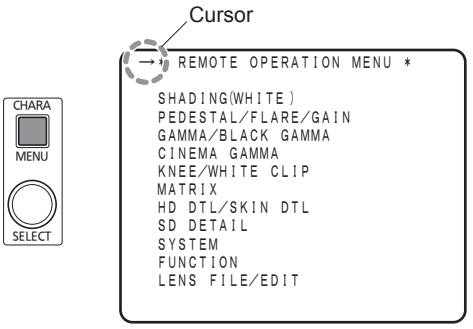
When camera power <HEAD POWER> is Off, only [SYSTEM] can be selected.

Operating ROP menus

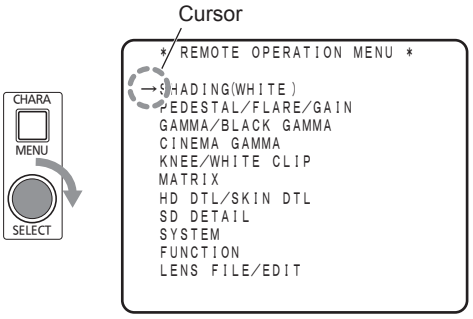
■ Basic menu operations

1. Hold down <CHARA/MENU> for 2 seconds.

The [REMOTE OPERATION MENU] appears. (The cursor appears at the beginning of the first line.)



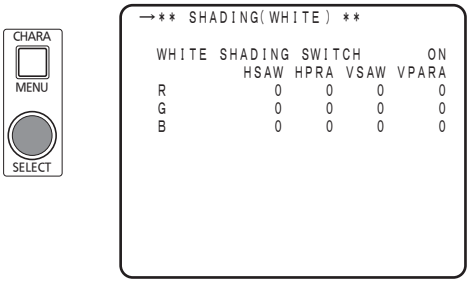
2. Turn <SELECT> one click clockwise to move the cursor.



3. Press <SELECT>to select a menu.

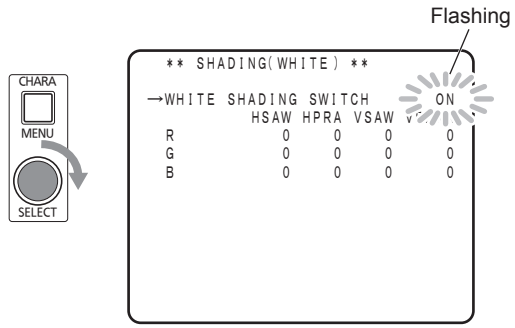
The [SHADING(WHITE)] menu appears.

In this state (when the cursor is in the menu title), press <SELECT> to return to the next higher menu ([ROP MENU]).



4. Turn <SELECT> to move the cursor to a setting and press <SELECT>.

The selected setting flashes allowing you to change the set value.

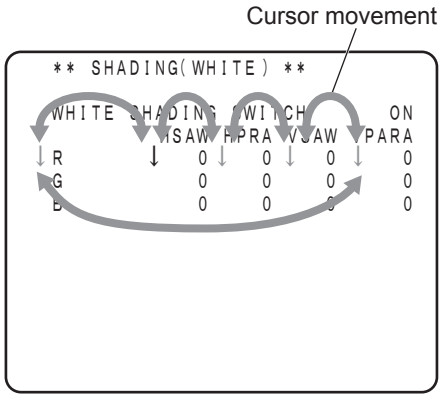


<Note>

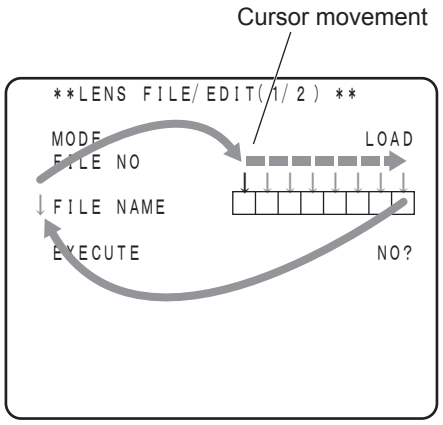
Turn <SELECT> quickly to change the hundreds place of a set value.

■ Operating other menus

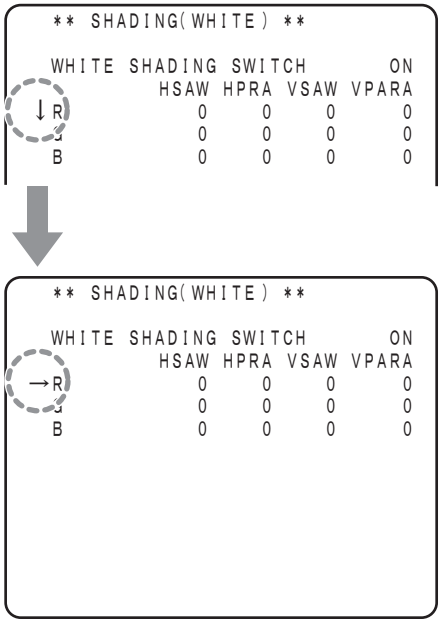
When a menu has more than one setting on a line, press <SELECT> (to confirm) and the cursor [↓] appears.
Turn <SELECT> right or left to move the cursor to the input area.



In a character entry menu, the [↓] cursor will also appear.



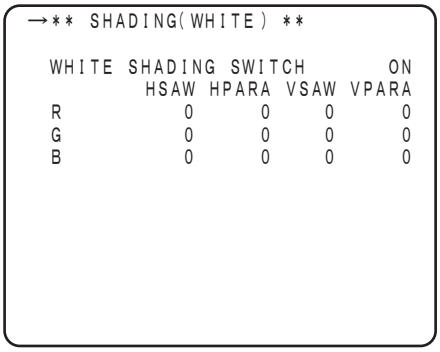
When the cursor is at the beginning of a menu, press <SELECT> to confirm to turn the cursor into [→] to continue selecting menu items.



ROP menu setting

The following describes [ROP MENU] settings.

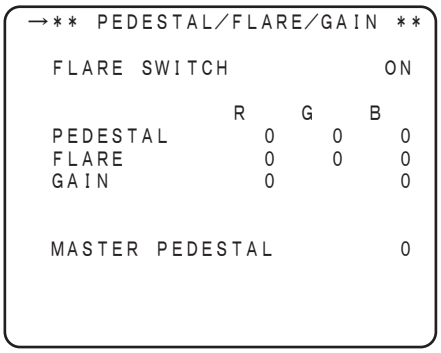
SHADING(WHITE)



(__ indicates factory default settings.)

Item	Display	Function
WHITE SHADING SWITCH	**OFF** **ON**	Enables/disables white shading.
H SAW R	**-100** **I** **0** **I** **100**	Performs sawtooth wave correction of white screen images in the horizontal direction.
H SAW G		
H SAW B		
H PARA R	**-100** **I** **0** **I** **100**	Performs parabola correction of white screen images in the horizontal direction.
H PARA G		
H PARA B		
V SAW R	**-100** **I** **0** **I** **100**	Performs sawtooth wave correction of white screen images in the vertical direction.
V SAW G		
V SAW B		
V PARA R	**-100** **I** **0** **I** **100**	Performs parabola correction of white screen images in the vertical direction.
V PARA G		
V PARA B		

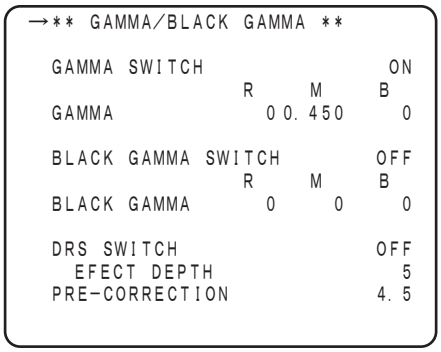
PEDESTAL/FLARE/GAIN



(__ indicates factory default settings.)

Item	Display	Function
FLARE SWITCH	**OFF** **ON**	Set to On to adjust flare correction amount. Flare correction controls the increase in pedestal level in proportion to light intensity.
MASTER PEDESTAL	**-99** **I** **0** **I** **99**	Indicates set master pedestal value. (Settings cannot be made.)
PEDESTAL R	**-800** **I** **0** **I** **800**	Amount by which the level is increased or decreased relative to the G pedestal to adjust the black balance. When the auto black balance is achieved, 0 is set as the adjustment value.
PEDESTAL G	**-800** **I** **0** **I** **800**	Adjusts the amount of G pedestal offset from master pedestal.
PEDESTAL B	**-800** **I** **0** **I** **800**	Amount by which the level is increased or decreased relative to the G pedestal to adjust the black balance. When the auto black balance is achieved, 0 is set as the adjustment value.
FLARE R	**-100** **I** **0** **I** **100**	Adjusts the amount of R FLARE correction.
FLARE G	**-100** **I** **0** **I** **100**	Adjusts the amount of G FLARE correction
FLARE B	**-100** **I** **0** **I** **100**	Adjusts the amount of B FLARE correction
GAIN R	**-800** **I** **0** **I** **800**	Adjusts the white balance. Amount by which the R gain has to be increased or decreased relative to the G gain level. When the auto white balance is achieved, 0 is set as the adjustment value.
GAIN B	**-800** **I** **0** **I** **800**	Adjusts the white balance. Amount by which the B gain has to be increased or decreased relative to the G gain level. When auto white balance is achieved, 0 is set as the adjustment value.

GAMMA/BLACK GAMMA



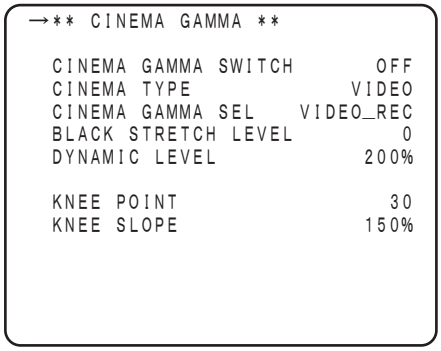
(__ indicates factory default settings.)

Item	Display	Function
GAMMA SWITCH	**OFF** **ON**	Turn on to correct the gamma. Gamma provides the signal level of the TV video signal with characteristics that are the reverse of those for video signal input and light intensity level.
GAMMA R	●VIDEO REC **-75** **|** **0** **|** **75** ●FILMLIKE1 to 3 **-60** **|** **60**	Adjusts R gamma correction relative to M gamma.
GAMMA M	**0.300** **|** **0.450** **|** **0.750**	Adjusts the master gamma.
GAMMA B	●VIDEO REC **-75** **|** **0** **|** **75** ●FILMLIKE1 to 3 **-60** **|** **60**	Adjusts B gamma correction relative to M gamma.
BLACK GAMMA SWITCH	**OFF** **ON**	Turn this switch on to correct the black gamma. It changes the amplification rate of the video signal in low light intensity areas.
BLACK GAMMA R	**-20 (black compression)** **|** **0** **|** **20 (black expansion)**	Corrects the black gamma curve R.
BLACK GAMMA M	**-32 (black compression)** **|** **0** **|** **32 (black expansion)**	Corrects the black gamma.
BLACK GAMMA B	**-20 (black compression)** **|** **0** **|** **20 (black expansion)**	Corrects the black gamma curve B.
DRS SWITCH	**OFF** **ON**	Turn on for automatic contrast adjustment. This adaptive-type gamma correction adjusts the gamma correction to the optimal setting.
EFFECT DEPTH	**1** **|** **5**	Turn on for contrast adjustment. Higher numbers mean greater effect.
PRE-CORRECTION	**4.0** **4.5** **5.0**	Turn on to adjust the rising slope in low-light areas.

CINEMA GAMMA

<Note>

- The settings in this menu are not available when the [CINEMA GAMMA SWITCH] is set to [OFF].



(__ indicates factory default settings.)

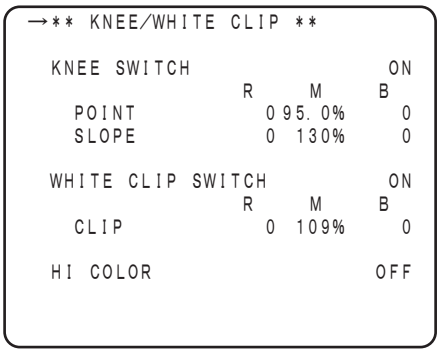
Item	Display	Function
CINEMA GAMMA SWITCH	**OFF** **ON**	Enables or disables cinema gamma mode.
CINEMA TYPE	**VIDEO** **FILM**	Switches between cinema gamma characteristics for video and those for film
CINEMA GAMMA SEL	●When [CINEMA TYPE] is set to [VIDEO] **VIDEO_REC** **FILMLIKE1** **FILMLIKE2** **FILMLIKE3** ●When [CINEMA TYPE] is set to [FILM] **FILM_REC (fixed)**	Sets cinema gamma characteristics for video.
BLACK STRETCH LEVEL	**0** **|** **30**	This function is available only when the [CINEMA GAMMA SWITCH] is set to [ON] and [CINEMA TYPE] is set to [FILM].
DYNAMIC LEVEL	**200%/300%/ 400%/500%**	Sets the dynamic range This function is available only when [CINEMA TYPE] is set to [FILM].
KNEE POINT*1	**30** **|** **90**	Sets the master knee point. Turn the Select dial clockwise to increase the knee point value. (The numbers decrease.)
KNEE SLOPE*1	**150%/200%/ 250%/300%/ 350%/400%/ 450%/500%/ 550%/600%**	Sets the master knee slope.

*1 When the Knee OFF button <KNEE OFF> is On or when [KNEE SWITCH] is set to [OFF] in the [KNEE/WHITE CLIP] menu, settings cannot be changed.

KNEE/WHITE CLIP

<Note>

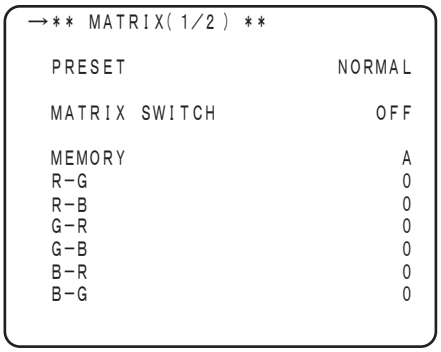
- Some settings in this menu are not available when the [CINEMA GAMMA SWITCH] is set to [ON].



(__ indicates factory default settings.)

Item	Display	Function
KNEE SWITCH	**OFF/<u>ON</u>**	Turn on to adjust the knee slope and knee point.
POINT R	**-20** **I** **<u>0</u>** **I** **20**	Sets the R knee point.
POINT M	**80.0%** **I** **<u>95.0%</u>** **I** **110.0%**	Sets the master knee point.
POINT B	**-20** **I** **<u>0</u>** **I** **20**	Sets the B knee point.
SLOPE R	**-31** **I** **<u>0</u>** **I** **31**	Sets the R knee slope.
SLOPE M	**0** **I** **<u>130</u>** **I** **199**	Sets the master knee slope.
SLOPE B	**-31** **I** **<u>0</u>** **I** **31**	Sets the B knee slope.
WHITE CLIP SWITCH	**OFF** **<u>ON</u>**	Enables or disables the white clip function.
CLIP R	**-15** **I** **<u>0</u>** **I** **15**	Sets the R white clip function.
CLIP M	**80%** **I** **<u>109%</u>**	Sets the master white clip function.
CLIP B	**-15** **I** **<u>0</u>** **I** **15**	Sets the B white clip function.
HI COLOR	**<u>OFF</u>** **ON**	Turn on to improve the color reproducibility in the high-brightness areas.

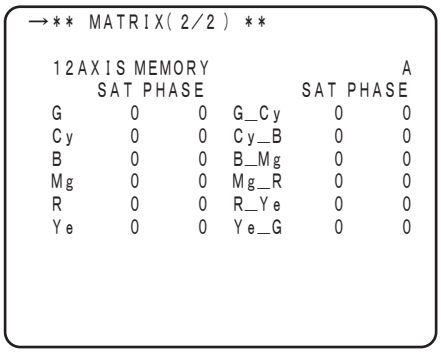
MATRIX (1/2)



(__ indicates factory default settings.)

Item	Display	Function
PRESET	**<u>NORMAL</u>** **EBU** **NTSC**	Switches matrix presets.
MATRIX SWITCH	**<u>OFF</u>** **ON**	Enables or disables saturation and color phase correction.
MEMORY	**OFF** **<u>A</u>** **B**	Select matrix memory to adjust.
R-G	**-63** **I** **<u>0</u>** **I** **63**	Adjusts the saturation and color phase of R and G components in matrix memory.
R-B	**-63** **I** **<u>0</u>** **I** **63**	Adjusts the saturation and color phase of R and B components in matrix memory.
G-R	**-63** **I** **<u>0</u>** **I** **63**	Adjusts the saturation and color phase of G and R components in matrix memory.
G-B	**-63** **I** **<u>0</u>** **I** **63**	Adjusts the saturation and color phase of G and B components in matrix memory.
B-R	**-63** **I** **<u>0</u>** **I** **63**	Adjusts the saturation and color phase of B and R components in matrix memory.
B-G	**-63** **I** **<u>0</u>** **I** **63**	Adjusts the saturation and color phase of B and G components in matrix memory.

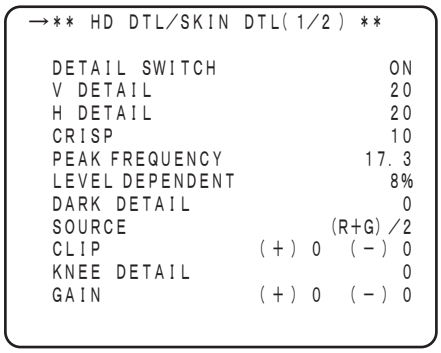
MATRIX (2/2)



(__ indicates factory default settings.)

Item	Display	Function
12AXIS MEMORY	**OFF** **A** **B**	Select 12 AXIS memory to adjust.
G SAT	**-63** **I** **0** **I** **63**	Adjusts the saturation of color components in 12 AXIS matrix memory. • Not available when [12 AXIS MEMORY] is set to [OFF].
G_Cy SAT		
Cy SAT		
Cy_B SAT		
B SAT		
B_Mg SAT		
Mg SAT		
Mg_R SAT		
R SAT		
R_Ye SAT		
Ye SAT		
Ye_G SAT		
G PHASE	**-63** **I** **0** **I** **63**	Adjusts the color phase of color components in 12 AXIS matrix memory. • Not available when [12 AXIS MEMORY] is set to [OFF].
G_Cy PHASE		
Cy PHASE		
Cy_B PHASE		
B PHASE		
B_Mg PHASE		
Mg PHASE		
Mg_R PHASE		
R PHASE		
R_Ye PHASE		
Ye PHASE		
Ye_G PHASE		

HD DTL/SKIN DTL (1/2)



(__ indicates factory default settings.)

Item	Display	Function
DETAIL SWITCH	**OFF** **ON**	Enables or disables the HD DETAIL effect.
V DETAIL	**0** **I** **20** **I** **63**	Adjusts the level of vertical detail.
H DETAIL	**0** **I** **20** **I** **63**	Adjusts the level of horizontal detail.
CRISP	**0** **I** **10** **I** **63**	Sets the maximum amplitude of the very faint noise components that are removed from detail components.
PEAK FREQUENCY	**12.4/12.5/** **12.7/12.9/** **13.0/13.3/** **13.6/13.9/** **14.2/14.6/** **15.0/15.5/** **16.1/16.7/** **17.3/18.0/** **18.6/18.8/** **19.0/19.2/** **19.5/19.9/** **20.3/20.9/** **21.5/22.4/** **23.6/25.4/** **28.6/37.1**	Selects the contour correction frequency band (boost frequency or peak frequency). It changes the contour width.
LEVEL DEPENDENT	**0%** **I** **8%** **I** **30%**	Lowers the detail in dark areas. It adjusts the level.
DARK DETAIL	**0** **I** **7**	Boosts the detail in dark areas.
SOURCE	**(R+G)/2** **(G+B)/2** **(2G+R+B)/4** **(3G+R)/4** **R** **G**	Selects the source signals for creating the detail components.
+CLIP	**0** **I** **63**	Limits the length of the overshoot areas of the detail edge components.
-CLIP	**0** **I** **63**	Limits the length of the undershoot areas of the detail edge components.
KNEE DETAIL	**0** **I** **39**	Enhances knee detail.

Item	Display	Function
+GAIN	**-31** **I** **0** **I** **31**	Changes the detail gain level in + (up) direction
-GAIN	**-31** **I** **0** **I** **31**	Changes the detail gain level in - (down) direction

HD DTL/SKIN DTL (2/2)

```
→** HD DTL/SKIN DTL(2/2) **

SKIN DETAIL SWITCH          OFF
CURSOR       ON/OFF     H     V
                OFF   960   270
SKIN GET                    NO?
MEMORY SELECT                 A
    CRISP  PHASE  WIDTH  SATU
  A    0      0      0      0
  B    0      0      0      0

ZEBRA SWITCH                OFF
EFFECT MEMORY               A+B
```

(__ indicates factory default settings.)

Item	Display	Function
SKIN DETAIL SWITCH	**OFF** **ON**	Enables or disables control of skin tone detail in HDTV video output.
CURSOR	**OFF** **ON**	Enables or disables the position cursor that obtains the saturation and color phase information for controlling skin tone detail.
POS H	**1** **I** **960** **I** **1920**	Sets horizontal cursor position.
POS V	**1** **I** **270** **540**	Sets vertical cursor position.
SKIN GET	**NO?** **EXECUTE** **CANCEL**	Automatically obtains the saturation and color phase information from the cursor position. **NO?:** Cancels operation. **EXECUTE:** Automatically obtains saturation and color phase information from the cursor position. **CANCEL:** Discards the saturation and color phase information obtained from the cursor position.
MEMORY SELECT	**A** **B**	Changes memory locations for saving the skin tone detail settings (CRISP, PHASE, WIDTH and SATURATION).
MEM A CRISP	**-63** **I** **0** **I** **63**	Removes very faint noise components from detail components in skin tone areas in memory bank A.
MEM A PHASE	**0** **I** **359**	Changes the color phase of skin tone areas in memory bank A in a range from 0 to 359 on a vector display.
MEM A WIDTH	**0** **I** **255**	Expands the width of skin tone areas in memory bank A in a range from 0 to 255.
MEM A SATU	**0** **I** **255**	Changes the saturation of skin tone areas in memory bank A in a range of 0 to 255.
MEM B CRISP	**-63** **I** **0** **I** **63**	Removes very faint noise components from detail components in skin tone areas in memory bank B.
MEM B PHASE	**0** **I** **359**	Changes the color phase of skin tone areas in memory bank B in a range of 0 to 359 on a vector display.
MEM B WIDTH	**0** **I** **255**	Expands the width of skin tone areas in memory bank B in a range from 0 to 255.
MEM B SATU	**0** **I** **255**	Changes the saturation of skin tone areas in memory bank B in a range from 0 to 255.
ZEBRA SWITCH	**OFF** **A** **B** **A+B**	Adds a zebra pattern to the Y signals of the PM output to make areas subject to skin tone detail effects easily visible.
EFFECT MEMORY	**A** **B** **A+B**	Selects the memory bank to which skin tone detail effects will be added.

SD DETAIL

```
→** SD DETAIL **

DETAIL SWITCH                ON
V DETAIL                      3
H DETAIL                      5
CRISP                         0
PEAK1                    3.17M
PEAK2                       OFF
LEVEL DEPENDENT              5%
DARK DETAIL                   1
```

(__ indicates factory default settings.)

Item	Display	Function
DETAIL SWITCH	**ON** **OFF**	Enables or disables changes in contour enhancement (hard/soft) level of SDTV video output.
V DETAIL	**0** **I** **3** **I** **63**	Adjusts the amount of vertical detail.
H DETAIL	**0** **I** **5** **I** **63**	Adjusts the amount of horizontal detail.
CRISP	**0** **I** **63**	Sets the maximum amplitude of the very faint noise components that are removed from detail components.
PEAK1	**1.89M/2.18M/** **2.56M/3.17M/** **4.0M/5.28M/** **6.75M**	Selects one of the two contour correction frequency bands (boost frequency or peak frequency). Changes the contour width.
PEAK2	**OFF/1.89M/** **2.18M/2.56M/** **3.17M/4.00M/** **5.28M/6.75M**	Selects one of the two contour correction frequency bands (boost frequency or peak frequency). Changes the contour width.

Item	Display	Function
LEVEL DEPENDENT	0 I **5 %** I 30 %	Lowers the detail in dark areas. It adjusts the level.
DARK DETAIL	0 I **1** I 5	

SYSTEM (1/2)

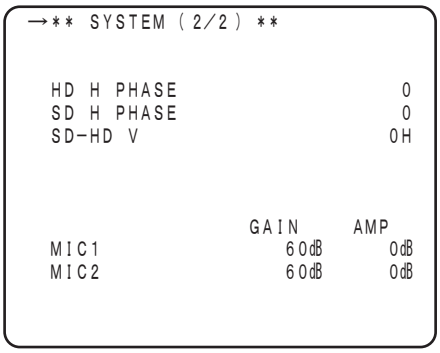
```
→** SYSTEM (1/2) **

 RETURN1                HD SDI1
 RETURN2                HD SDI2
 RETURN3                HD SDI1
 RETURN4                HD SDI2
 RETURN·DELAY            NORMAL
 DOWN CONVERT MODE           SC
 UP CONVERT MODE             SC
 HD COLOR BAR             ARIB
 PATHO                     OFF
 SDI3-4 OUT                 PM
```

(__ indicates factory default settings.)

Item	Display	Function
RETURN1	**HD SDI1** HD SDI2 VBS	Sets the input allocations of return signal 1.
RETURN2	HD SDI1 **HD SDI2** VBS	Sets the input allocations of return signal 2.
RETURN3	**HD SDI1** HD SDI2 VBS	Sets the input allocations of return signal 3.
RETURN4	HD SDI1 **HD SDI2** VBS	Sets the input allocations of return signal 4.
RETURN · DELAY	**NORMAL** SHORT	Selects whether a RET display video will be delayed by 1 F (NORMAL) or by the shortest possible period (SHORT).
DOWN CONVERT MODE	**SC** SQ LB	Selects the down-conversion system for video output from SD SDI and VBS.
UP CONVERT MODE	**SC** SQ LB	Selects the up-conversion system for videos used as SD SDI and VBS return videos.

Item	Display	Function
HD COLOR BAR	FULL BARS-1 **ARIB** BARS-2 BARS-3 BARS-4 BARS-5 BARS-6	Select the color bar signals to be output from the HD/SD SDI OUT connectors and VBS connector when “BAR” has been selected on the operation panel of the ROP. When they are output in VBS or SD format, color bars in HD format are output in the mode specified with DOWNCONVERT MODE. **FULL:** 75 % full field color bar **BARS-1:** Color bar based on the SMPTE standard **ARIB:** ARIB multi-format color bar **BARS-2:** Color bar based on the EIAJ standard **BARS-3:** Split field color bar **BARS-4:** 75 % full field color bar placed in an area with a 4:3 aspect ratio. (Displayed 40 % gray outside the area.) **BARS-5:** Color bar based on the SMPTE standard that is placed in an area with a 4:3 aspect ratio. (Displayed 40 % gray outside the area.) **BARS-6:** Color bar based on the EIAJ standard that is placed in an area with a 4:3 aspect ratio. (Displayed 40 % gray outside the area.)
PATHO	**OFF** ON	Select ON/OFF for the pathological signals.
SDI3-4 OUT	NORMAL **PM**	Selects the signals output from the 3rd and 4th HD/SD SDI signal output connectors on a CCU.

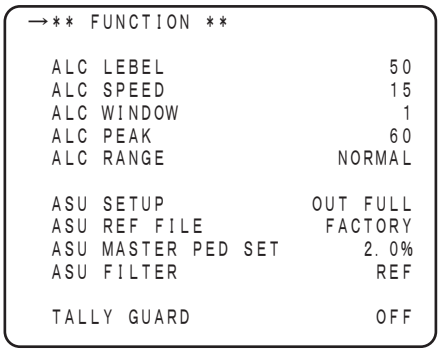
SYSTEM (2/2)



(__ indicates factory default settings.)

Item	Display	Function
HD H PHASE	**-1099** **I** **0** **I** **1099 (59.94 Hz)** **-1319** **I** **0** **I** **1319 (50Hz)**	Adjusts the horizontal phase of HD SDI video for the genlock reference phase.
SD H PHASE	**-857** **I** **0** **I** **857 (59.94Hz)** **-863** **I** **0** **I** **863 (50Hz)**	Adjusts SD horizontal sync phase.
SD-HD V	**0H** **ADVANCE** **0H_SD_DLAY**	Set the vertical phase of the HDTV output in relation to the SDTV output. **0H:** Sets the vertical phase to the same phase. **ADVANCE:** When the field frequency is 59.94 Hz, the phase advance is 90H. When the field frequency is 50 Hz, the phase advance is 75H. **0H_SD_DLAY:** The SDTV signals are delayed and set in-phase with the HDTV signals. • When the setting of this item is set to “0H” or “ADVANCE” while the field frequency is 50 Hz, images in SD format are delayed by 1 frame + 75 lines only when letterbox is selected for DOWNCONVERT MODE. For the relationship with the sync phase, refer to Operating Instructions <Operations and Settings> of AK-HCU200. **ADVANCE:** **59.94Hz→90H** **50Hz→75H**
MIC1 GAIN	**20dB** **40dB** **60dB**	Performs coarse adjustment of MIC1 gain.
MIC1 AMP	**-20dB** **I** **0** **I** **20dB**	Makes fine adjustments of the MIC1 gain. **(in 1 dB increments)**
MIC2 GAIN	**20dB** **40dB** **60dB**	Makes coarse adjustments of MIC2 gain.
MIC2 AMP	**-20dB** **I** **0** **I** **20dB**	Makes fine adjustments of MIC2 gain. **(in 1 dB increments)**

FUNCTION

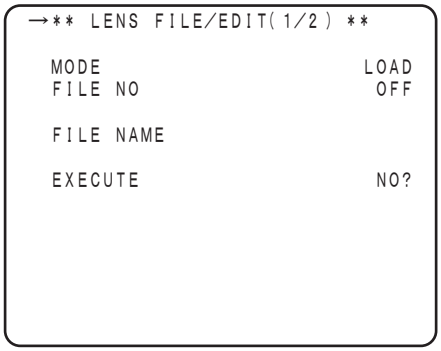


(__ indicates factory default settings.)

Item	Display	Function
ALC LEVEL	**0** **I** **50** **I** **100**	Adjusts the auto iris level of the lens iris.
ALC SPEED	**1** **I** **15** **I** **25**	Sets the feedback speed of the auto iris. Feedback speed drops as the numbers increase.
ALC WINDOW	**1** **I** **4**	Sets the image detection area window for the auto iris.
ALC PEAK	**0** **I** **60** **I** **100**	Sets the ratio between the average and peak values of auto iris image detection.
ALC RANGE	**NORMAL** **3/4** **2/4** **1/4**	Sets the correction range for adjustments of the iris level using the IRIS knob to move the iris lever <IRIS (↑ ↓)> in auto iris mode.
ASU SETUP	**OUT FULL** **OUT EASY**	Selects the auto setup mode setting.
ASU REF FILE	**FACTORY** **USER1** **USER2** **USER3**	Selects the file to be referenced when auto setup has been started.
ASU MASTER PED SET	**0.0%** **I** **2.0%** **I** **7.5%**	Sets the position where the master pedestal is to be converged when auto setup is started.

Item	Display	Function
ASU FILTER	**REF** **CURRENT**	Sets the operation of the ND filter when auto setup is started. **REF:** The filter stored in the reference file is used when operation starts. **CURRENT:** Auto setup starts at the filter position made prior to startup.
TALLY GUARD	**OFF** **ON**	At the ON setting, this function disables automatic ASU, AWB, ABB operation while the tally is ON.

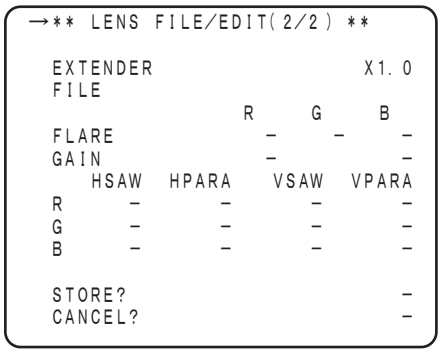
LENS FILE/EDIT (1/2)



(__ indicates factory default settings.)

Item	Display	Function
MODE	**LOAD** **STORE**	Saves current lens files in the camera (STORE) or loads (LOAD) lens files stored in the camera.
FILE NO.	●When [LOAD] is selected as [MODE] **OFF** **1** **I** **32** ●When [STORE] is selected as [MODE] **1** **I** **32**	Selects the lens file number.
FILE NAME	**Up to 8 characters**	Use to enter the file name. • It is disabled when [LOAD] is selected in [MODE]. **Allowable characters** **0 - 9, A - Z, a - z,** **_ (under bar), (space)**
EXECUTE	**YES?** **NO?**	Executes processes selected in MODE.

LENS FILE/EDIT (2/2)



(__ indicates factory default settings.)

Item	Display	Function
EXTENDER	**x 1.0** **x 2.0**	Sets the current magnification of the lens extender.
FILE		Displays the number and name of currently loaded lens files.
FLARE R	**-100** **I** **0** **I** **100**	Sets lens R flare.
FLARE G	**-100** **I** **0** **I** **100**	Sets lens G flare.
FLARE B	**-100** **I** **0** **I** **100**	Sets lens B flare.
GAIN R	**-100** **I** **0** **I** **100**	Sets lens R gain.
GAIN B	**-100** **I** **0** **I** **100**	Sets lens B gain.
R HSAW **R HPARA** **R VSAW** **R VPARA** **G HSAW** **G HPARA** **G VSAW** **G VPARA** **B HSAW** **B HPARA** **B VSAW** **B VPARA**	**-100** **I** **0** **I** **100**	Sets lens white shading.
STORE?	**YES?** **NO?**	Saves R/G/B gain, R/G/B flare and white shading settings to the displayed file.
CANCEL?	**YES?** **NO?**	Discards R/G/B gain, R/G/B flare and white shading settings and restores the original lens files.

Index

C
Camera number 7
CINEMA-GAMMA 17
Confirm version 12

E
Error display 13

F
Format (memory card) 10
FUNCTION 22

G
GAMMA/BLACK GAMMA 17

H
HD DTL/SKIN DTL 19, 20

I
Initialize 11

K
KNEE/WHITE CLIP 18

L
Lens file 9
- Load 9
- Save 9

LENS FILE/EDIT 23

M
MATRIX 18, 19

P
PEDESTAL/FLARE/GAIN 16

R
ROP configuration file 9
- Load 10
- Save 10

ROP menu
- Operation 14
- Setting 16

S
Save unit data 12
Scene file 7
- Load 7
- Save 7

SD DETAIL 20
Set 7-segment display brightness 11
Set buzzer 11
Set display brightness 11
Set flare 10
Set LED display brightness 11
Set pedestal 11
Setup mode 4
SHADING(WHITE) 16
SYSTEM 21, 22

U
Upgrade 12
User file 8
- Load 8
- Save 8

Panasonic Corporation
Web Site: http://panasonic.net

パナソニック株式会社 プロフェッショナルAVビジネスユニット
〒 571-8503　大阪府門真市松葉町 2 番 15 号　☎ (06) 6901－1161